

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Brian Ballard

GENERAL INFORMATION:

Name:	Blue Grass Chemical Agent-Destruction Pilot Plant
Address:	2091 Kingston Highway, Richmond KY 40475
Date application received:	3/26/2007
SIC/Source description:	9711, National Security (U.S. Army)
Source ID #:	21-151-00013
Source A.I. #:	2805
Activity #:	APE20070005
Permit number:	V-05-034 (Revision 1)

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input checked="" type="checkbox"/> Synthetic minor
<input checked="" type="checkbox"/> Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)	Allowable (tpy)
CO	0.0	34.75	225
NO <sub>x</sub>	0.0	82.95	225
PM	0.0	11.03	N/A
PM <sub>10</sub>	0.0	11.03	N/A
SO <sub>2</sub>	0.0	13.59	N/A
VOC	0.0	3.25	90.0
HAPs	0.0	0.750	N/A

**SOURCE DESCRIPTION:**

The potential to emit emission rates of pollutants listed above are for the Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) only. The entire source wide emissions upon which regulatory applicability determinations are made are based on the potential to emit of the BGCAPP and the Blue Grass Army Depot (BGAD) combined. The allowable tons per year emission rates listed above apply to the combined emissions of the BGCAPP and the BGAD. See Statement of Basis.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

The source is subject to an emission cap of 90.0 tons per year for VOC, 9.0 tons per year for single HAP, 22.5 tons per year for combined HAP, 225.0 tons per year for CO and 225.0 tons per year for NO<sub>x</sub>. By taking these limits the source will preclude the applicability of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subpart GG (Aerospace Manufacturing and Rework Facilities), 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subpart DDDDD (Industrial, Commercial, and Institutional Boilers and Process Heaters), 401 KAR 59:225, New miscellaneous metal parts and products surface coating operations and 401 KAR 51:017; Prevention of significant deterioration of air quality.